

Solution of n -phase \mathbb{R} -linear conjugation problem

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Abstract

We consider the problem of the distribution of power fields of various physical nature in a piecewise homogeneous planar medium consisting of several homogeneous components separated by branches of confocal hyperbolas. We reduce this problem to the linear conjugation problem and solve the latter analytically. © Allerton Press, Inc., 2011.

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Keywords

\mathbb{R} -linear conjugation problem, Analytic functions, Heterogeneous media